HISTORIC PROPERTY INVENTORY FORM

NITICIA	A TION	SECTION	

Field Cite No		No. Data Basandad A July 400	7		• .	it of Community Developme	nt
Field Site No.	276-B OAHP	No. Date Recorded 1 July 199	1		chaeology and Histor		
Site Name Historic	Organic Make-Up Building		111 21st Avenue Southwest, Post Office Box 48343 Olympia, Washington 98504-8343 (206)753-4011				
Common	Solvent Storage Building; Paint	Shop		Olympia, Wa	ashington 98504-83	43 (206)753-4011	
Field Recorder	Holly K. Chamberlain						
Owner's Name	U.S. Department of Energy, Ric	chland Operations Office	LOCATION SECTION				
Address	P.O. Box 550		Address	276-B Building, 200 East			
City/State/Zip Code	Richland, WA 99352		City/Town/County/Zip Code	_	ichland/Benton Cou	,	
		Battelle Northwest Photography Unit:	Twp. <u>12 N</u> Range <u>26 E</u>	Section	3 I/4 Section	NE 1/4 1/4 Sec	
Status		Photography Neg. No.s 44024-07,-12,-13	Tax No./Parcel No.			Acreage	
x Survey/Inventory		Photography Neg. No. HCRL: Roll No. 383,	Quadrangle or map name	<u>G</u>	able Butte, Washing	ton, 7.5 minute series	
National Register		(Roll No. & Frame No.) Frames 9, 10	UTM References Zone	11	Easting	Northing	
State Register		View of North & East Side; North Side	Plat/Block/Lot				
Determined Eligible		Date 1 July 1997	Supplemental Map(s)				
Determined Not Eligibl	le						
Other (HABS, HAER, I	NHL)	Photo at right, Roll No.383, Frame No. 9.	MARCHINE DAY OF THE PARTY OF TH	100 Kills	NAME OF TAXABLE PARTY.	MINISTER OF STREET	120110
Local Designation	•	View of north and east sides.	THE RESERVE		THE RESERVE	STREET, SQUARE, SQUARE	
					10日間後に	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	STATE SHAPE OF
Classification	District Site	x Building Structure Object	S DESCRIPTION OF THE PARTY.		The second second	THE PERSON NAMED IN COLUMN	THE RESERVE OF THE PERSON NAMED IN
District Status	x NR SR	LR INV					
Contributing	x Non-Contributing		ENTER STREET		ASSESSMENT OF THE PERSONS NAMED IN		
District/Thematic Nomina		Manhattan Project and Cold War Era Historic District	THE RESERVE OF THE PARTY OF THE	100	2007/10/17/25		STATE OF THE PARTY
District mematic nomina	Transcrater	Wallindtall Froject and Cold Wal Eta Flistone District	CONTROL OF STREET	NAME OF TAXABLE PARTY.	经数以1 3 5470		Charles and the last
Description Section			BOARD LANGUE BY			NAME OF BUILDINGS	Statute 1000
Description Section	esternal Transac	Deaf Torre	DESCRIPTION OF THE PERSON		SECTION AND PROPERTY.		100000
Materials & Features/Stru	* *	Roof Type	THE RESERVE OF THE PERSON NAMED IN		p 2700		CONTRACTOR OF THE PARTY OF THE
Building Type	Industrial	Gable Hip	D. T. S. L. H. S. L. S.	98			THE PERSON NAMED IN
Plan	Rectangular	x Flat Pyramidal	THE RESERVE AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 2 IN COL		THE RESIDENCE		HATCHER TOWN
Structural System	Load-bearing Concrete	Monitor Other (specify)	The Real Property lies, the Party lies, the Pa				STATE OF THE PERSON NAMED IN
No. of Stories	One	Gambrel			A CONTRACTOR		BREWS COMP.
		Shed	THE RESERVE AND DESCRIPTION OF THE PERSON NAMED IN				CONTRACTOR OF THE PARTY OF THE
Cladding (Exterior Wall S	urfaces)		THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO I		W M		Name and Address of the Owner, where
Log		Roof Material	The Party of the P		'V 'V		
Horizontal Wood Sidin	ng	Wood Shingle	THE RESERVE OF THE PARTY OF THE		100		
Rustic/Drop		Wood Shake	A STATE OF THE PARTY OF THE PAR		ALC: UNKNOWN	THE R. P. LEWIS CO., LANSING, SALES	NAME OF TAXABLE PARTY.
Clapboard		Composition			The second second	AND DESCRIPTION OF PERSONS	
Wood Shingle		Slate	THE RESERVE TO BE A STREET				TO HATTING
Board and Batten		x Tar/Built-up		The state of	deposit and the	THE PARTY	13. 计数据表现
Vertical Board		Tile					
Asbestos/Asphalt		Metal (specify)	High Styles/Forms (Check or	ne or more of	the following)		
Brick		Other (specify)	Greek Revival			Colonial Revival/Mediterran	ean
Stone		Not visible	Gothic Revival		Tudor Re		
Stucco		L 140t VISIDIO	Italianate			an/Arts & Crafts	
Terra Cotta		Foundation	Second Empire		Bungalov		
x Concrete/Concrete Blo	ack		· ·				
		Log Concrete	Romanesque Revival		Prairie S	•	
Vinyl/Aluminum Siding	3	Post & Pier Block	Stick Style			/Art Moderne	
Metal (specify)		Stone x Poured	Queen Anne		Rustic St	·=	
Other (specify)		Brick Other (specify)	Shingle Style			onal Style	
		Not visible	Colonial Revival		Northwe	•	
			Beaux Arts/Neoclassical		Commer	cial Vernacular	
	(Include detailed description in		Chicago/Commercial St	yle		tial Vernacular (see below)	
Integrity	Description of Physical Appe	arance)	American Foursquare		x Other (sp	pecify)	
	Intact	Slight Moderate Extensive	Mission Revival		Industria	l Vernacular	
Changes to plan	x						
Changes to windows	X		Vernacular House Types				
Changes to original claddin		H H	Gable Front		Cross Ga	able	
Changes to interior	······································		Gable Front and Wing			al/Hipped	
Other (specify)			Side Gable		Other (sp		
Carol (openly)			oldc Gable		Other (st	Joong)	

NARRATIVE SECTION

Study Unit Themes (check one or more of the f	ollowing)		
Agriculture Architecture/Landscape Architecture Arts Commerce Communications Community Planning/Development	Conservation Education Entertainment/Recreation Ethnic Heritage (specify) Health/Medicine Manufacturing/Industry Military	Politics/Government/Law Religion Science & Engineering Social Movements/Organization Transportation X Other (specify) Cold War Era X Study Unit Sub-Theme(s)	Chemical Separations; Facilities
Statement of Significance			Support (Chemical Storage); Social History
	Architect/Engineer/Builder Vitro Engineering Company Dears to meet the criteria of the National Register of Historic Places. Docated in a potential historic district (National and/or local).	_	

The 276-B Building was constructed as part of the mid-1960s Waste Management Program transition of B Plant from a chemical separations plant into a waste reduction and storage facility, processing wastes from the Reduction-Oxidation Chemical Processing Plant and Plutonium Uranium Extraction Plant. The organic solvent process solution, composed of Di(2-ethylhexyl) phosphoric acid (D2EHPA), tri-n-butyl phosphate (TBP), and diluent (normal paraffin hydrocarbon, a form of kerosene) used in B Plant operations was made in the organic make-up tank in the 276-B Building. (The diluent was kept in outside storage tanks nearby which have already been removed to address environmental compliance needs.) The process solution was pumped into B Plant for use in the extraction of strontium 89/90 from radioactive wastes left over from plutonium production which had been brought out of storage from the unreliable single-shell tanks of the 200 Area tank farms.

(See continuation sheet)

Description of Physical Appearance

The 276-B Building is a rectangular, 35 feet by 20 feet, load-bearing, hollow concrete block building located near the northeast corner of the 221-B Building in 200 East, and physically attached to it. It is 14 feet high, and is set upon a reinforced, poured concrete foundation which is 3 feet above grade, and contains 700 square feet overall. A metal rim runs around the top of the building. A concrete loading dock with metal railings is attached to the east side of the building. A truck opening within the rails accommodates loading and unloading operations. Concrete stairs allow for pedestrian access to the dock, and into the building. Metal double loading doors on the east side also accommodate pedestrian entrance into the building. A window near the southeast corner of the building is covered over. A pedestrian access door is located at the southeast corner of the building, and is reached by a set of concrete stairs.

The interior operations area, which is a single room, contains a tank, transfer pumps, and service piping attached to walls and ceiling. The primary feature is organic make-up tank MO-154, located in the southwest corner of the building. The piping passes through the foundation to facilities within the 221-B Building. Each pipe was marked with notations indicating the fluid carried and direction of flow.

No major structural alterations have been made to the 276-B Building. In 1988, however, upgrades were made to the electrical and piping systems. The storage tanks and process piping systems were removed in the mid-1990s to achieve compliance with environmental regulations. The building is presently empty.

Major Bibliographic References

Ridge, Tina, Building Representative, Babcock and Wilcox Hanford Co. Building Shutdown Files Kept in 222-B Building, 200 East Area. Richland, Washington.

United States Department of Energy. 1997. National Register of Historic Places Multiple Property Documentation Form - Historic, Archaeological and Traditional Cultural Properties of the Hanford Site, Washington . DOE/RL-97-02. Richland, Washington.